ABSTRACT OF THE DISCLOSURE

A video encoding apparatus comprises a first computing device that computes a statistical feature amount of a video image for each frame, a scene divider

5   that divides the video image into a plurality of scenes in accordance with the statistical feature amount, a second computing device that computes an average feature amount for each sense, a scene selector that selects the scenes, a generator that generates an

10   encoding parameter including an optimum frame rate and quantization step size for each scene, and an encoder that encodes the input video signal in accordance with the encoding parameter.